

6



52071-4.ST25.txt
SEQUENCE LISTING

<110> Annibaldi, Nestor

<120> Expression of a Human Insulin Precursor In P. Pastoris

<130> 52071.4

<140> US 09/955,259

<141> 2001-09-12

<160> 26

<170> PatentIn version 3.1

<210> 1

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer

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36

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<213> Artificial Sequence

52071-4.ST25.txt

<220>

<223> Synthetic Primer

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<211> 39

<212> DNA

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<223> gctggtacag cattgttcca caatgccacg cttggtcttg ggtgt

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39

<210> 4

<211> 45

<212> DNA

<213> Artificial Sequence

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<223> Synthetic Primer

<400> 4

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<210> 5

<211> 52

<212> DNA

<213> Artificial Sequence

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52071-4.ST25.txt

<223> Synthetic Primer

<400> 5
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<210> 6

<211> 162

<212> DNA

<213> Artificial Sequence

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<223> complete synthetic insulin precursor obtained by PCR using human insulin sequence as original source

<400> 6
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gaacgaggct tcttctacac acccaagacc aagcgtggca ttgtggaaca atgctgtacc 120
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<210> 7

<211> 50

<212> DNA

<213> Artificial Sequence

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<223> Synthetic Primer

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<210> 8

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer

<400> 8

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50

<210> 9

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer

<400> 9

acacttggtgt ggttctcact tggttgaagc ttt

33

<210> 10

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer

<400> 10

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60

ttgttc

66

<210> 11

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

52071-4.ST25.txt

<223> Synthetic Primer

<400> 11
ccgctcgaga agagatttgt taaccaacac ttgtgt 36

<210> 12

<211> 162

<212> DNA

<213> Artificial Sequence

<220>

<223> synthetic insulin precursor, obtained by PCR using human insulin
sequence as original source

<400> 12
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gaaagagggt tcttctacac tccaaagact aagagaggta tcgttgaaca atgttgtact 120
tctatctggt ctttgtacca attggaaaac tactgtaact aa 162

<210> 13

<211> 56

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer

<400> 13
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<210> 14

<211> 68

<212> DNA

<213> Artificial Sequence

52071-4.ST25.txt

<220>

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actgctca 68

<210> 15

<211> 71

<212> DNA

<213> Artificial Sequence

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<223> Synthetic Primer

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<210> 16

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer

<400> 16
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accttc 66

<210> 17

<211> 72

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer

<400> 17
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 caacaaacca tt 72

<210> 18

<211> 267

<212> DNA

<213> Artificial Sequence

<220>

<223> synthetic sequence of alpha factor from *S. cerevisiae*, obtained by PCR

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 cctgttaaca ctactactga agacgaaact gctcaaacc cagctgaagc gggtatcggt 120
 tactctgact tggaagggtga cttcgacgtt gctgttttgc ctttctctaa ctctactaat 180
 aatggtttgt tggtcatcaa cactactatc gcttctatcg ctgctaagga agagggtggt 240
 tctctcgaga agagagaggc tgaagca 267

<210> 19

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer

<400> 19
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<210> 20

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer

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<210> 21

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Synthetic Primer

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<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Primer

<400> 22

gtcgtggttt ctcatagtag agtggaca

28

<210> 23

<211> 18
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Synthetic Primer

<400> 23
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18

<210> 24
 <211> 19
 <212> DNA
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<220>

<223> Synthetic Primer

<400> 24
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19

<210> 25
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Synthetic Primer

<400> 25
 gactggttcc aattgacaag c

21

<210> 26
 <211> 4

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<212> PRT

<213> *Saccharomyces cerevisiae*

<400> 26

Lys Arg Glu Ala
1